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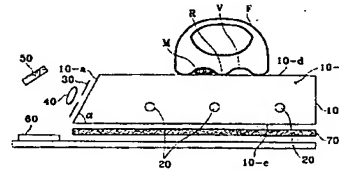
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(54) OPTICAL FINGERPRINT INPUT DEVICE

(57) Abstract:

PURPOSE: An optical fingerprint input device is provided to remove a noise image due to a liquid ingredient such as a sweat or an oil by separating a light according to an angle of refraction from a fingerprint of a finger. CONSTITUTION: A plurality of spot light sources(20) are installed at both sides of a finger contacting member(10). A one side of the finger contacting member(10) has an inclination at a determined angle. The finger contacting member(10) is composed of a plate-shaped medium. The plate-shaped medium is cable of transmitting the light smoothly. The spot light sources(20) is a lightening emitter diode. An inclination angle of a one side(10-a) of the finger contacting member(10) is set at an angle. The angle is incident an itself output light ray upon a camera(60) by means of a pin hole(30), a lens(40) and a reflecting member(50). The pin hole(30), the lens(40) and the reflecting member(50) are installed at the one side(10-a) of the finger connecting member(10). The camera(60) employs an image sensor for a complementary metal-oxide-semiconductor.



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Legal Status

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